

Please type a plus sign (+) inside this box ☐

PTO/SB/01 (11_00)
Approved for use through 10/31/2002. OMB 0651-0032
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	BP2474
First Inventor	Arya Reza Behzad
Title	RF TRANSCEIVER WITH COMPACT STACKED MIXER DESIGN FOR MULTIPLE FREQUENCY CONVERSION
Express Mail Label No.	EU836027585US

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents

ADDRESS TO:

Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

1. ☒ Fee Transmittal Form (e.g. PTO/SB/17)
(submit an original and a duplicate for fee processing)

2. ☐ Applicant claims small entity status.
See 37 CFR 1.27.

3. ☒ Specification [Total Pages (preferred arrangement set forth below)
-Descriptive title of the invention
-Cross Reference to Related Applications
-Statement Regarding Fed sponsored R&D
-Reference to sequence listing, a table, or a computer program listing appendix
-Background of the Invention
-Brief Summary of the Invention
-Brief Description of the Drawings (if filed)
-Detailed Description
-Claim(s)
-Abstract of the Disclosure

4. ☒ Drawing(s) (35 U.S.C. 113) [Total Pages

5. Oath or Declaration [Total Pages a. ☒ Newly executed (original or copy)
Copy from a prior application (37 CFR 1.63 (d))
b. ☐ (for continuation/divisional with Box 18 completed)
i. ☐ **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).

6. ☐ Application Data Sheet. See 37 CFR 1.76

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)

8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)

a. ☐ Computer Readable Form (CRF)
b. Specification Sequence Listing on:
i. ☐ CD-ROM or CD-R (2 copies); or
ii. ☐ paper
c. ☐ Statements verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

9. ☒ Assignment Papers (cover sheet & documents(s))

10. ☒ 37 CFR 3.73(b) Statement (when there is an assignee) ☒ Power of Attorney

11. ☐ English Translation Document (if applicable)

12. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations

13. ☐ Preliminary Amendment

14. ☒ Return Receipt Postcard (MPEP 503) (Should be specifically itemized)

15. ☐ Certified Copy of Priority Document(s) (if foreign priority is claimed)

16. ☐ Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent. 1) USPIO Credit Card Print Form;

☒ Other: 2) D. Henderson authorization ltr.

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP)

of prior application No: _____

Prior application information:

Examiner: _____

Group Art Unit: _____

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS

☐ Customer Number or Bar Code Label or ☒ Correspondence address below

Name James A. Harrison

Address P.O. Box 670007

City Dallas

State TX

Zip Code 75367

Country USA

Telephone (214) 902-8100

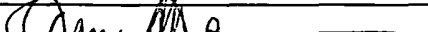
FAX (214) 902-8101

Name (Print/Type) James A. Harrison

Registration No. (Atty/Agent)

40,401

Signature



Date

8/19/2003

SEND TO: Assistant Commissioner for Patents, Washington, DC 20231

Please type a plus sign (+) inside this box ☐

PTO/SB/17 (11_00)

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

FEE TRANSMITTAL for FY 2001

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$) \$976.00

Complete if Known

Application Number	
Filing Date	8/19/2003
First Named Inventor	Arya Reza Behzad
Examiner Name	
Group Art Unit	
Atty Docket No.	BP2474

METHOD OF PAYMENT

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit
Account
Number

502126

Deposit
Account
Name

Garlick Harrison & Markison

- ☒ Charge Any Additional Fee Required
Under 37 CFR 1.16 and 1.17

- ☐ Applicant claims small entity status.
See 37 CFR 1.27

2. ☒ **Payment Enclosed:**

- ☐ Check ☒ Credit card ☐ Money
Order ☐ Other

FEE CALCULATION

1. BASIC FILING FEE

Fee Description

Fee Paid

Utility filing fee

750.00

Design filing fee

Plant filing fee

Reissue filing fee

Provisional filing fee

SUBTOTAL(1) (\$) \$750.00

2. EXTRA CLAIM FEES

Fee From Below

Extra Claims

Fee Paid

Total Claims -20** X =

Independent
Claims -3** X =

Multiple Dependent
 =

Fee Description

Claims in excess of 20

Independent claims in excess of 3

**Reissue independent claims
over original patent

**Reissue claims in excess of 20
and over original patent

SUBTOTAL (2) (\$) 186.00

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)

3.. ADDITIONAL FEES

Fee Description

Surcharge-late filing fee or oath

Surcharge- late provisional filing fee or
or cover sheet

Non-english specifications

For filing a request for ex parte reexamination

Requesting publication of SIR prior to
Examiner action

Requesting publication of SIR after
Examiner action

Extension for reply within first month

Extension for reply within second month

Extension for reply within third month

Extension for reply within fourth month

Extension for reply within fifth month

Notice of Appeal

Filing a brief in support of appeal

Request for oral hearing

Petition to institute a public use proceeding

Petition to revive - unavoidable

Petition to revive unintentional

Utility Issue Fee (or reissue)

Design Issue Fee

Plant Issue Fee

Petitions to the Commissioner

Processing fee under 37 CFR 1.17(q)

Submissions of Information Disclosure Stmt

Recording each patent assignment per
property (times number of properties)

\$40.00

Filing a submission after final rejection
(37 CFR 1.129(a))

For each additional invention to be
examined (37 CFR 1.129(b))

Request for Continued Examination (RCE)

Request for expedited Examination of design applica

Other fee (specify)

Reduced by Basic Filing Fee Paid

SUBTOTAL (3)

\$40.00

SUBMITTED BY

Complete (if applicable)

Name (Print Type)

James A. Harrison

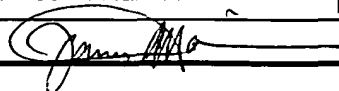
Registration No.
(Attorney Agent)

40,401

Telephone

(214) 902-8100

Signature



Date

8/19/2003

SEND TO: Assistant Commissioner for Patents, Washington, DC 20231

Certificate Under 37 CFR 3.73(b)

Applicants: Arya Reza Behzad

Entitled: **RF TRANSCEIVER WITH COMPACT STACKED MIXER DESIGN FOR MULTIPLE FREQUENCY CONVERSION**

Application No. Unknown

Filing Date: _____, 2003

Broadcom Corporation

(Name of Assignee)

a, California Corporation

(Type of Assignee)

states that it is :

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of an undivided part interest

in the patent application/patent identified above by virtue of either :

- A. ☒ An Assignment for the inventor(s) of the patent application/patent identified above. The assignment was recorded in the Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title for the inventor(s) of the patent application/patent identified above to the current assignee as shown below:

1. From _____ To: _____
The document was recorded in the Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.
2. From _____ To: _____
The document was recorded in the Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.
3. From _____ To: _____
The document was recorded in the Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.
Copies of assignments or other documents in the chain of title are attached.

☒ [NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the PTO. See MPEP 302-302.8]

The undersigned (whose title is supplied below) is empowered to act on behalf of the assignee.

Date: Aug. 18, 2003

Name: Dee Henderson
Manager, Intellectual Property Portfolio

Title: _____

Signature: 



BROADCOM CORPORATION
16215 Allon Parkway
Irvine, California 92618

Phone: 949-450-8700
Fax: 949-450-8710

May 20, 2003

To whom it may concern:

I, Henry Samueli, hereby authorize Dee Henderson, Intellectual Property Portfolio Manager, to execute documents relating to US and foreign patent and trademark matters on behalf of Broadcom Corporation and/or its subsidiaries.

A handwritten signature in cursive script, appearing to read 'H Samueli', is written over a horizontal line.

Henry Samueli, Ph.D.
Chief Technical Officer and Co-Chairman